Chicago Pneumatic

Safety Information

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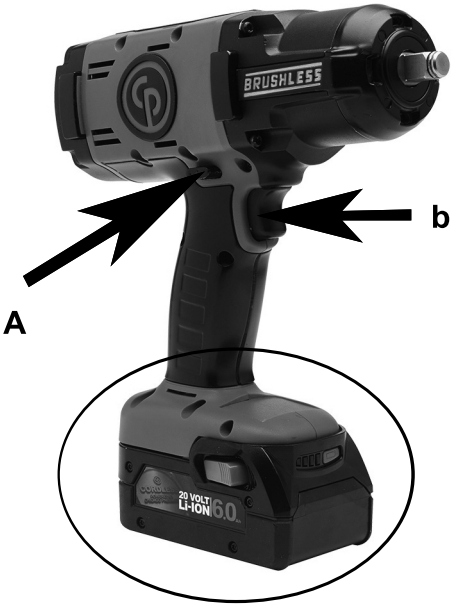
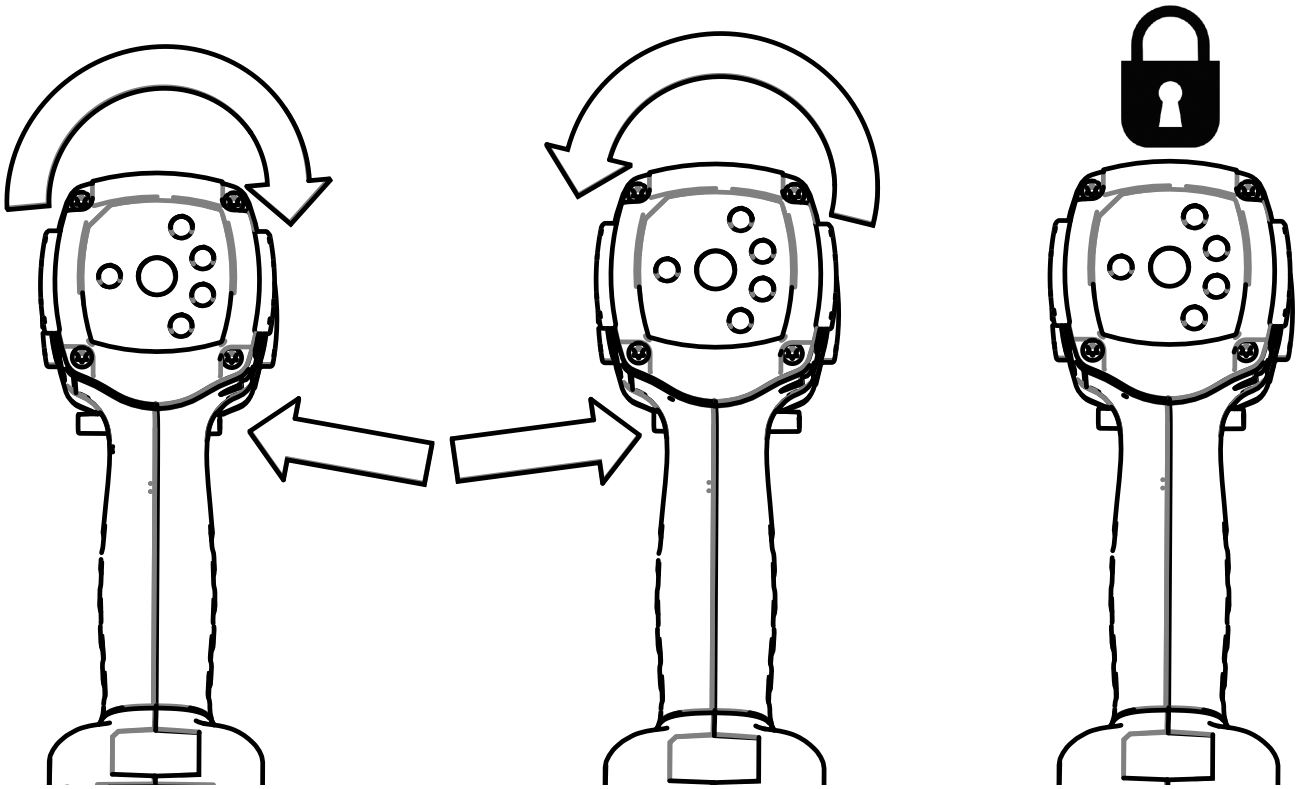
Cordless impact wrenches

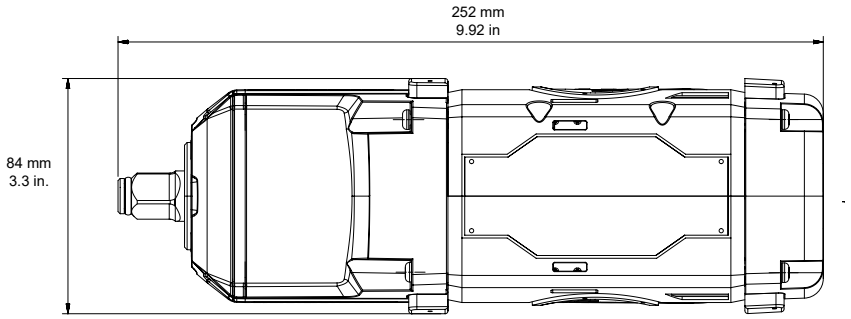
Valid from Serial No. 00001 to 99999

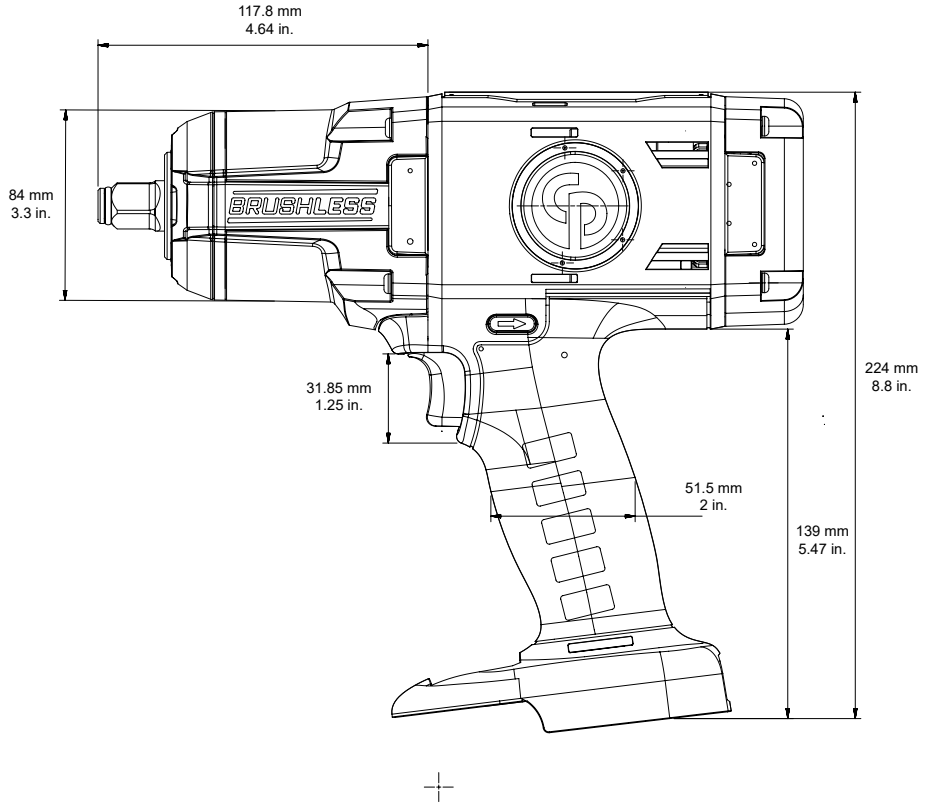
Model:
CP8849
CP8849-2

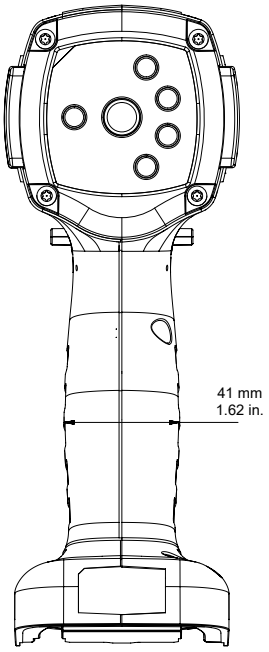
	⚠ WARNING
	To reduce risk of injury, everyone using, installing, repairing, maintaining, changing accessories on, or working near this tool MUST read and understand these instructions before performing any such task. **DO NOT DISCARD - GIVE TO USER**

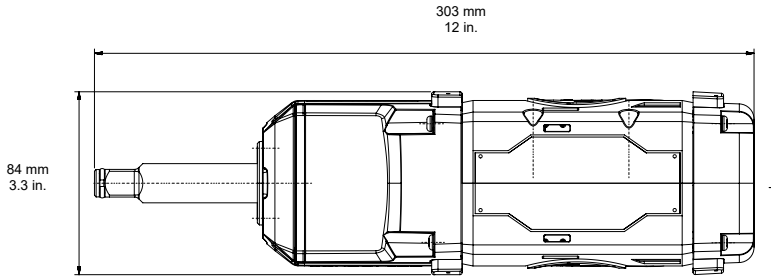


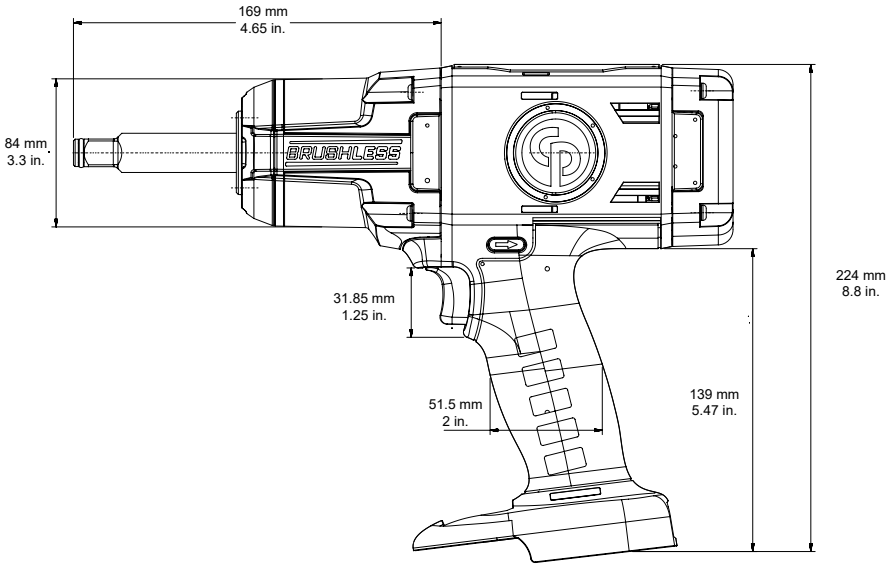


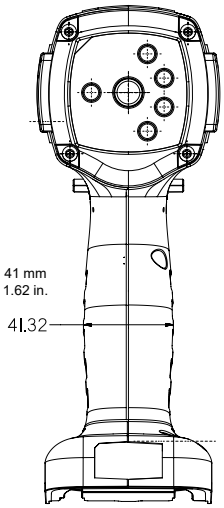







303 mm
12 in.
84 mm
3.3 in.


169 mm
4.65 in.
84 mm
3.3 in.
BRUSHLESS
31.85 mm
1.25 in.
51.5 mm
2 in.
139 mm
5.47 in.
224 mm
8.8 in.


41 mm
1.62 in.
41.32

Technical data

Tool data

	CP8849	CP8849-2
Free speed (rpm)		
- Slow mode	0 - 600	0 - 600
- Fast mode	0 - 1200	0 - 1200
- 50% mode	0 - 1000	0 - 1000
- 100% mode (reverse and forward)	0 - 1800	0 - 1800
Square drive (")	1/2	1/2
Square drive (mm)	13	13
Max. torque (reverse) (ft.lb)	850	850
Max. torque (reverse) (Nm)	1150	1150
Blows per minute	2300	2300
Battery voltage (V)	20	20
Weight (kg)	3.1	3.1
Weight (lb)	6.9	6.9
Ambient operating temperature	-18°C to 50°C	-18°C to 50°C
Ambient storage temperature	0 to 40°C	0 to 40°C
Recommended ambient charging temperature	10 to 38°C	10 to 38°C
Recommended battery types	CP20XP CP20XP60	CP20XP CP20XP60
Recommended charger	CP20CHE 20V EU CP20CHU 20V US CP20CHA 20V AUS CP20CHK 20V UK CP20CHKC 20V KC	CP20CHE 20V EU CP20CHU 20V US CP20CHA 20V AUS CP20CHK 20V UK CP20CHKC 20V KC

Declarations

EU DECLARATION OF CONFORMITY

CE

We, **CHICAGO PNEUMATIC Tool Co. LLC**, 1815 Clubhouse Road, Rock Hill, SC 29730, declare under our sole responsibility that the product (with name, type and serial number, see front page) is in conformity with the following Directive(s):

Machinery (2006/42/EC), EMC(2014/30/EU), RoHs (2011/65/EU)

Harmonized standards applied:

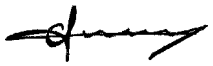
EN 62841-1:2015, EN 62841-2-2:2014, EN 55014-1:2017, EN 55014-2:2015, EN50581-1:2012

Authorities can request relevant technical information from: Pascal Roussy, R&D Manager, Ets Georges Renault, 38 rue Bobby Sands, BP10273 44818 Saint Herblain, France

Saint-Herblain,

Pascal ROUSSY

Signature of issuer



Date : 01/05/2018

Noise and vibration

	CP8849 & CP8849-2
Sound pressure level Lp (dB(A))	101.5
Sound power level Lw (dB(A))	112.5
Noise standard	EN 62841
Noise uncertainty (dB(A))	3
Vibration value (m/s^2) (a_h)	16.1
Vibration uncertainty (K) (m/s^2)	1.5
Vibration standard	ISO-28927-2

a_h = impact tightening of fasteners of the maximum capacity of the tool.

Wear hearing protection.

The vibration emission given in this information sheet has been measured in accordance with a standardized test given in EN 60745 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.

The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration should also take account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration such as : maintain the tool and the accessories, keep the hands warm, organization of work patterns.

These declared values were obtained by laboratory type testing in accordance with the stated standards and are suitable for comparison with the declared values of other tools tested in accordance with the same standards. These declared values are not adequate for use in risk assessments and values measured in individual work places may be higher. The actual exposure values and risk of harm experienced by an individual user are unique and depend upon the way the user works, the workpiece and the workstation design, as well upon the exposure time and the physical condition of the user.

Intended use

This Impact Wrench is intended to be used only by adults who have read and understood the instructions and warnings in this manual and can be considered responsible for their actions.

- This product is designed for installing and removing threaded fasteners in wood, metal or plastic.
- Do not use the Impact Wrench for any other purpose not described above.

Statement of use

This product is designed for installing and removing threaded fasteners in wood, metal or plastic.

No other use permitted. For professional use only.

Warning!

To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc., can cause a short circuit.

Operation

Untightening

- To operate the tool in the reverse mode, use the switch **A**. (See figures page 2)

ⓘ The reverse selection indicator  is on.

To start the machine, pull the trigger (B). Release the trigger to stop.

Tightening

- To operate the tool in forward mode, use the switch **A**. (See figures page 2)

ⓘ The indicator light of the latest selected forward mode is on.

- Push the forward settings power selection button  to select one of the 4 settings describe below.

2 shut off settings

Slow mode		To approach **without impacting**.
Fast mode		To tighten wheels close to recommended torque **without overtightening**.

2 power settings

	**50 %** of the maximum torque.
	**100 %** of the maximum torque.

Final torque should be applied manually using a calibrated torque wrench, and following the vehicle manufacturer's instructions.

Battery

Battery packs which have not been used for some time should be recharged before use.
Temperatures in excess of 50°C (122°F) reduce the performance of the battery pack. Avoid extended exposure to heat or sunshine (risk of overheating).
The contacts of chargers and battery packs must be kept clean.
For an optimum life-time, the battery packs have to be fully charged, after used. To obtain the longest possible battery life remove the battery pack from the charger once it is fully charged.

The battery pack has overload protection that protects it from being overloaded and helps to ensure long life. Under extreme stress the battery electronics switch off the product automatically. To restart, switch the product off and then on again. If the product does not start up again, the battery pack may have discharged completely. In this case it must be recharged in the battery charger.

Maintenance instructions

- **Follow local country environmental regulations for safe handling and disposal of all components.**
- Maintenance and repair work must be carried out by qualified personnel using only original spare parts. Contact the manufacturer or your nearest authorised dealer for advice on technical service or if you require spare parts.
- Always ensure that the machine is disconnected from energy source to avoid accidental operation.
- Disassemble and inspect the tool every three 3 months if the tool is used every day. Replace damaged or worn parts.
- To keep downtime to a minimum, the following service kit is recommended : **Tune-up kit**
- Do not at any time let brake fluids, gasoline, petroleum based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which could result in serious personal injury.
- Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and can be damaged by their use. Use clean clothes to remove dirt, dust, oil, grease, etc.

General Power Tool Safety Warnings

⚠ **WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.**

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

- **Keep work area clean and well lit**. Cluttered or dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

Personal safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

Power tool use and care

- **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation.' If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

- **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

Battery tool use and care

- **Recharge only with the charger specified by the manufacturer**. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another**. Shorting the battery terminals together may cause burns or a fire.
- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help**. Liquid ejected from the battery may cause irritation or burns.
- **Do not use a battery pack or tool that is damaged or modified**. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- **Do not expose a battery pack or tool to fire or excessive temperature**. Exposure to fire or temperature above 130 °C may cause explosion.
- **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

Service

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
- **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

Impact wrench safety warnings

- **Hold the power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring.** Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

Additional Safety Rules for screwdrivers and wrenches

Entanglement hazards

- **Keep away from rotating drive.** Choking, scalping and / or lacerations can occur if loose clothing, gloves, jewellery, neck ware and hair are not kept away from tool and accessories.
- **Do not wear loose-fitting gloves or gloves with cut or frayed fingers.** Gloves can become entangled with the rotating drive, causing severed or broken fingers.
- **Rotating drive sockets and drive extensions can easily entangle rubber-coated or metal-reinforced gloves.**
- **Never hold the drive, socket or drive extension.**

Operating hazards

- **Operators and maintenance personnel must be physically able to handle the bulk, weight and power of the tool.**
- **Hold the tool correctly: be ready to counteract normal or sudden movements.** Have both hands available.
- The impact wrench creates vibrations while drilling. The vibrations may cause discomfort if the product is operated for long periods of time. Take a rest often, especially if you feel discomfort in the arm, wrist, or fingers. Choose a speed setting which will get the work completed efficiently. Read the Residual Risks and Risk Reduction sections for more information on vibration-related injury.
- Do not direct the light beam at persons or animals and do not stare into the light beam yourself (not even from a distance). Staring into the light beam may result in serious injury or vision loss.
- The product is not waterproof. Do not submerge in liquid. Failure to heed this warning could result in serious personal injury.
- **Immediately after adjusting the clutch, check for correct operation.**
- **Do not use in a worn condition**. The clutch may not operate, resulting in sudden rotation of the tool handle.
- **Always support the tool's handle securely, in the direction opposite to the spindle rotation, to reduce the effect of sudden torque reaction during final tightening and initial loosening.**
- **If possible, use a suspension arm to absorb the reaction torque. If that is not possible, side handles are recommended for straight-case and pistol-grip tools; reaction bars are recommended for angle nutrunners.** In any case, it is recommended to use a means to absorb the reaction torque above 4 Nm (3 lbf.ft) for straight-case tools, above 10 Nm (7.5 lbf.ft) for pistol-grip tools, and above 60 Nm (44 lbf.ft) for angle nutrunners.

Projectile hazards

- **Always wear impact-resistant eye and face protection when involved with or near the operation, repair or maintenance of the tool or changing accessories on the tool.**

- **Be sure all others in the area are wearing impact-resistant eye and face protection.** Even small projectiles can injure eyes and cause blindness.
- **Assemblies requiring a specific torque must be checked using a torque meter.** So-called “click” torque wrenches do not check for potentially dangerous over-torqued conditions. Serious injury can result from over-torqued or under-torqued fasteners, which can break, or loosen and separate. Released assemblies can become projectiles.
- **Do not use hand sockets.** Use only power or impact sockets in good condition.
- **This tool and its accessories must not be modified in any way.**

Repetitive motion hazards

- **When using a power tool to perform work-related activities, the operator might experience discomfort in the hands, arms, shoulders, neck, or other parts of the body.**
- **Adopt a comfortable posture whilst maintaining secure footing and avoiding awkward or off-balance postures.** Changing posture during extended tasks can help avoid discomfort and fatigue.
- **Do not ignore symptoms such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness, burning sensation, or stiffness.** Stop using the tool, tell your employer and consult a physician.

Workplace hazards

- **Slip/Trip/Fall is a major cause of serious injury or death.** Cluttered areas and benches invite injuries.
- **Do not use in confined spaces.** Beware of crushing hands between tool and workpiece, especially when unscrewing.
- **High sound levels can cause permanent hearing loss.** Use hearing protection as recommended by your employer or occupational health and safety regulations.
- **Ensure that the workpiece is securely fixed**.
- **Repetitive work motions, awkward positions and exposure to vibration can be harmful to hands and arms.** If numbness, tingling, pain or whitening of the skin occurs, stop using tool and consult a physician.
- **Proceed with care in unfamiliar surroundings.** Be aware of potential hazards created by your work activity. This tool is not insulated from coming into contact with electric power sources.

Additional safety warnings for battery tools

Battery tool use and care

- **Recharge only with the charger specified by the manufacturer**. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another**. Shorting the battery terminals together may cause burns or a fire.
- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help**. Liquid ejected from the battery may cause irritation or burns.

Service

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

Residual Risks

Even when the Impact Wrench is used as prescribed, it is still impossible to completely eliminate certain residual risk factors. The following hazards may arise and the operator should pay special attention to avoid the following:

- Risk of electrocution if electric cables are drilled into. – always grasp the tool by designated handles, do not touch the drill bits.
- Damage to the respiratory system. - Wear respiratory protection masks containing filters appropriate to the materials being worked. Ensure adequate workplace ventilation. Do not eat, drink or smoke in the work area.
- Damage to hearing – Always wear effective hearing protection and limit exposure to noise.
    - Damage to eyes from flying dust and debris particles – Always wear suitable eye protection.
- Injury caused by vibration – Hold the tool by designated handles, limit exposure to vibration, see “risk reduction”.

Disposal

- The disposal of this equipment must follow the legislation of the respective country.
- All damaged, badly worn or improperly functioning devices **MUST BE TAKEN OUT OF OPERATION.**
- The disposal of this equipment must follow the legislation of the respective country.
- Repair only by technical maintenance staff.

Useful information

Website

Log in to Chicago Pneumatic: www.cp.com.

You can find information concerning our products, accessories, spare parts and published matters on our website.

Country of origin

China

Copyright

Caractéristiques techniques

Données de l'outil

	CP8849	CP8849-2
Vitesse à vide (tr/min)		
- Mode lent	0 - 600	0- 600
- Mode rapide	0 - 1200	0 - 1200
- Mode 50 %	0 - 1000	0 - 1000
- Mode 100 % (inverse et avant)	0 - 1800	0 - 1800
Entraînement carré	1/2 (")	1/2
Entraînement carré	13 (mm)	13
Couple max. (inverse) (ft.lb)	850	850
Couple max. (inverse) (Nm)	1150	1150
Souffles par minute	2300	2300
Tension de la batterie (V)	20	20
Poids (kg)	3.1	3.1
Poids (lb)	6.9	6.9
Température ambiante de fonctionnement	-18° C à 50° C	-18° C à 50° C
Température ambiante de stockage	0 à 40° C	0 à 40° C
Température ambiante de charge recommandée	10 à 38° C	10 à 38° C
Types de batteries recommandés	CP20XP CP20XP60	CP20XP CP20XP60
Chargeur recommandé	CP20CHE 20V EU CP20CHU 20V US CP20CHA 20V AUS CP20CHK 20V UK CP20CHKC 20V KC	CP20CHE 20V EU CP20CHU 20V US CP20CHA 20V AUS CP20CHK 20V UK CP20CHKC 20V KC

Déclarations

DÉCLARATION DE CONFORMITÉ UE

CE

Nous, **CHICAGO PNEUMATIC Tool Co. LLC**, 1815 Clubhouse Road, Rock Hill, SC 29730, déclarons sous notre seule et entière responsabilité que le produit (dont le nom, le type et le numéro de série figurent en première page) est en conformité avec la ou les directives suivantes :
Machinery (2006/42/EC), EMC(2014/30/EU), RoHs (2011/65/EU)

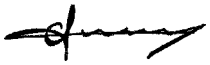
Normes harmonisées appliquées :
EN 62841-1:2015, EN 62841-2-2:2014, EN 55014-1:2017, EN 55014-2:2015, EN50581-1:2012

Les autorités peuvent obtenir les informations techniques pertinentes en s'adressant à :
Pascal Roussy, R&D Manager, Ets Georges Renault, 38 rue Bobby Sands, BP10273 44818 Saint Herblain, France

Saint-Herblain,

Pascal ROUSSY

Signature du déclarant



Date : 01/05/2018

Bruit et émission de vibrations

	CP8849
Niveau pression sonore Lp (dB(A))	101.5
Niveau de puissance acoustique Lw (dB(A))	112.5
Bruit standard	EN 62841
Incertitude sonore (dB(A))	3
Valeur de vibration (m/s^2)(a_h)	16.1
Incertitude de vibration (K) (m/s^2)	1.5
Norme de vibration	ISO-28927-2

a_h = serrage par impact des fixations de la capacité maximale de l'outil.

Protégez vos oreilles.

L'émission de vibrations donnée dans cette fiche d'information a été mesurée conformément à un test normalisé donné dans la norme EN 60745 et peut être utilisée pour comparer un outil avec un autre. Il peut être utilisé pour une évaluation préliminaire de l'exposition.

Le niveau d'émission de vibrations déclaré représente les principales applications de l'outil. Cependant, si l'outil est utilisé pour différentes applications, avec des accessoires différents ou mal entretenus, l'émission de vibrations peut différer. Cela peut augmenter considérablement le niveau d'exposition sur toute la période de travail.